

7-12 -04

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Bao *et al.*

Serial No. 10/686,934

Filed: October 15, 2003

For: Waferless Fiber Fabry – Perot Filters

Customer No. 23713

Group Art Unit: 2828

Examiner: Palmer, Phan T H

Confirmation No.: 4564

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as EXPRESS MAIL under 37 CFR 1.10 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date July 8, 2004

Express Mail Receipt No. EV 456657757 US

S. B. Barone

S.B. Barone

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner is respectfully requested to consider the following references which may qualify as prior art. For the Examiner's convenience, the references are listed on the attached Patent and Trademark Office form PTO-1449. As this application was filed after June 30, 2003, Applicants only include copies of foreign patent documents and non-patent references. See, Disclosure Statements Filed After June 30, 2003, Off. Gaz. Pat. Off., 8/5/2003.

The references and information provided herewith are cited in a spirit of forthrightness and cooperation to enable the applicants to obtain that measure of protection for the invention to which there is entitlement. However, no representation is made that the listed art actually qualifies as prior art under the patent statute and the mere use of PTO-1449 is not an admission that all listed references are prior art. No representation is made that applicants know of the best art.

References listed in PTO Form 1449 submitted herewith which do not specify the month of publication have a year of publication sufficiently earlier than the effective U.S. filing date with any foreign priority date so that the particular month of publication is not in issue.

The Examiner is also requested to consider commonly owned U.S. Patent Application No. 10/742,599, filed on December 18, 2003, which may be considered related to this case. A copy of this pending application is provided herewith. Applicants submit these materials in a spirit of forthrightness and cooperation to enable the applicants to obtain that measure of protection for the invention to which there is entitlement. No representation is made that this reference actually qualifies as prior art under the patent statute.

European Application No. EP 0721 121 A1 is provided in a foreign language. An English translation of the abstract, however, is also provided for the Examiner's convenience. The relevance of this reference comes from the translated abstract which describes an optical configuration for optical filtering applications.

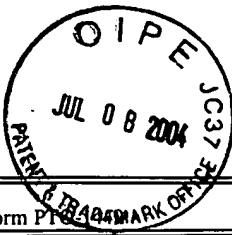
It is believed that no fee is required for this submission. If this is incorrect, however, please deduct the appropriate fee for this submission and any extension of time required from Deposit Account No. 07-1969.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "S. B. Barone", with a long, sweeping horizontal line extending to the left.

Stephen B. Barone
Reg. No. 53,968

GREENLEE, WINNER AND SULLIVAN, P.C.
5370 Manhattan Circle, Suite 201, Boulder, CO 80303
Telephone: (303) 499-8080;
Facsimile: (303) 499-8089
Attorney Docket No. 113-02
sbb: July 8, 2004



Form PT-104		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,449,047	09/10/02	Bao et al.	356	478	11/12/99
	6,445,838	09/03/02	Caracci et al.	385	14	09/29/00
	6,137,812	10/24/00	Hsu et al.	372	6	02/25/97
	6,113,469	09/05/00	Yoshikawa et al.	451	41	04/21/99
	6,097,530	08/01/00	Asher et al.	359	288	03/10/99
	5,887,099	03/23/99	Csipkes et al.	385	56	10/03/97
	5,796,894	08/18/98	Csipkes et al.	385	56	11/21/96
	5,739,945	04/14/98	Tayebati	359	291	09/27/96
	5,425,039	06/13/95	Hsu et al.	372	6	02/24/94
	5,375,181	12/20/94	Miller et al.	385	27	10/13/93
	5,359,687	10/25/94	McFarland et al.	385	49	08/23/93
	5,283,845	02/01/94	Ip.	385	24	07/20/92
	5,251,275	10/05/93	Kuriyama et al.	385	14	05/08/92
	5,037,180	08/06/91	Stone	385	123	07/19/90
	5,037,176	08/06/91	Roberts et al.	385	16	01/19/90
	5,027,435	06/25/91	Chraplyvy et al.	455	617	01/27/89
	5,024,505	06/18/91	Junji et al.	350	96.22	02/05/90
	4,861,136	08/29/89	Stone et al.	350	96.3	07/15/87
	4,830,451	05/16/89	Stone	350	96.15	03/05/86
	4,482,248	11/13/84	Papuchon et al.	356	346	02/17/83
	3,984,190	10/05/76	Barrett et al.	356	75	11/26/74

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	0 457 484 A2	11/21/91	EP	G02B 6/26		
	0 437 963 A2	07/24/91	EP	G01J 3/26		
	0 721 121 A1	07/10/96	EP	G02B 6/293	B02B 6/34	Abstract only
	0 903 615 A2	03/24/99	EP	G02F 1/21	G02F 1/1333	
	1 016 884 A2	07/05/00	EP	G02B 6/28	H04J 14/02	
	WO 98/17968	04/30/98	PCT	G01B 9/02		
	WO 98/27446	06/25/98	PCT	G02B		
	WO 99/34484	07/08/99	PCT	H01S		
	WO 00/28355	05/18/00	PCT	G02B 6/00		

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

		Arya, V. et al. "Temperature Compensation Scheme for Refractive Index Grating-Based Optical Fiber Devices," SPIE 2594:52-59
		Arya, V. et al. (1997), "Application of Thin-Film Optical Filters to the Temperature Compensation of Optical Fiber Grating-Based Devices," IEEE Trans Instrum. Measurement 46(5):1173-1177
		Ball, G.A. and Morey, W.W., (Dec 1994), "Compression-tuned single-frequency Bragg grating fiber laser," Optics Letters 19(23):1979-1981.
		Barnes et al., (Sept 1989), "High-quantum-efficiency Er ³⁺ fiber lasers pumped at 980 nm," Optics Letters 14(18):1002-1004
		Barnes et al. (1989), "Q-switching in fibre lasers," Fiber Laser Sources and Amplifiers Proc. SPIE 1171:302-308
		Bellemare et al. (Feb 1999), "Multifrequency Erbium-Doped Fiber Ring Lasers Anchored on the ITU Frequency Grid," Optical Fiber Communications (OFC/IOOC'99) Feb. 21 - 26, 1999, San Diego, CA 1:16-18
		Bird et al., (1991), "Narrow line semiconductor laser using fibre grating," Electron Lett. 27:1115-1116
		Boucher, R. et al. (1992), "Calibrated Fabry-Perot etalon as an absolute frequency reference for OFDM communications," IEEE Photonics Technol. Lett. 4:801-803

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

		Farries, M.C. et al. (1998), "Hybrid DWDM devices utilizing dielectric filters and fiber Bragg gratings," OFC '98 Optical Fiber Communication Conf. and Exhibit, Technical Digest Series, Vol. 2, Feb. 22-27, 1998, San Jose, CA, pp. 234-235
		Foote, P.D. (1994), "Fibre Bragg Grating Stain Sensors for Aerospace Smart Structures," Second European Conf. on Smart Structures and Materials, Glasgow, U.K., session 8, p. 290-293
		Friebele, E.J. et al. (1994), "Fiberoptic Sensors measure up for smart structures," Laser Focus World, (May), pp. 165-169
		Garnache et al. (Feb 1996), "An Optical Frequency Scale in Exact Multiples of 100 GHz for Standardization of Multifrequency Communications," <i>IEEE Photon. Technol. Lett.</i> 8(2):290-292
		Gehrsitz, S. et al. (Aug. 1997), "Tandem Triple-Pass Fabry-Perot Interferometer for Applications in the Near Infrared," <i>Appl. Opt.</i> (36):5355-5361.
		Giles et al., (Aug 1994), "Reflection-induced changes in the optical spectra of 980 nm QW lasers," <i>IEEE Photonics Technology Lett</i> 6(8):903-906
		Giles et al., (Aug 1994), "Simultaneous wavelength-stabilization of 980 nm pump lasers," <i>IEEE Photonics Technology Lett.</i> 6(8):907-909
		Glance, B.S. et al. (1988), "Densely spaced FDM coherent star network with optical signals confined to equally spaced frequencies," <i>IEEE J. Lightwave Technol.</i> LT-6:1770-1781
		Hammon, T.E. and Stokes, A.D. (1996), "Optical fibre Bragg grating temperature sensor measurements in an electrical power transformer using a temperature compensated optical fibre Bragg grating as a reference," Eleventh Int'l. Conf. on Optical Fiber Sensors - Advanced Sensing Photonics, Part Vol. 1, pp. 566-569 (Abstract Only)
		Henriksson, A. et al. (1996), "Temperature insensitivity of a fiber optic Bragg grating sensor," <i>Proc. SPIE</i> 2839:20-33
		Hsu, K. and Miller, C.M., (June 1994), "Single-mode tunable erbium:ytterbium fiber Fabry-Perot microlaser," <i>Optics Letters</i> 19(12):886-888
		Hsu, K. and Miller, C.M., (Feb 1995), "Continuous and discrete wavelength tuning in Er:Yb fiber Fabry-Perot lasers," <i>Optics Letters</i> 20(4):377-379
		Humblet, P.A. et al. (Aug. 1990), "Crosstalk Analysis and Filter Optimization of Single-and Double-Cavity Fabry-Perot Filters," <i>IEEE J. on Selected Areas in Communications</i> 8(6):1095-1107.
		Iwashima, T. et al. (1997), "Temperature compensation technique for fibre Bragg gratings using liquid crystalline polymer tubes," <i>Electron. Lett.</i> 33(5):417-419

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

		Ja, Y.H. (Sept. 1995) "Optical Vernier Filter with Fiber Grating Fabry-Perot Resonators," <i>Appl. Opt.</i> 34(27):6164-6167.
		Kaminow, I.P. et al. (1989), "A Tunable Vernier Fiber Fabry-Perot Filter for FDM Demultiplexing and Detection," <i>IEEE Photonics Technol. Lett.</i> 1(1):24-26.
		Kersey, A.D. (1993), "Fiber-optic Bragg grating strain sensor with drift-compensated high-resolution interferometric wavelength-shift detection," <i>Opt. Lett.</i> 18(1):72-74
		Kersey, A.D. et al. (1993), "Multiplexed fiber Bragg grating strain-sensor system with a fiber Fabry-Perot wavelength filter," <i>Opt. Lett.</i> 18:1370-1372
		Kersey, A.D. et al. (1995), "Development of Fiber Sensors for Structural Monitoring," <i>SPIE</i> 2456:262-268
		Kersey, A.D. (1996), "Interrogation and Multiplexing Techniques for Fiber Bragg Grating Strain-Sensors," Optical Sciences Division, Naval Research Laboratory (NRL) code 5674, distributed by NRL at SPIE Meeting, Fall 1996, (Denver, CO)
		Krüger et al. (Apr 1997), "Quasicontinuous Tunable Fiber-Ring Laser Applied as Local Oscillator in an Absolute Calibrated Spectrometer for WDM Systems," <i>J. Lightwave Technol.</i> 15:628-635
		Liu, Y. et al. (1997), "Temperature insensitive fiber grating," <i>Chinese J. of Lasers</i> 24(10):895-898 (Abstract Only)
		Lindsay, S.M. et al. (1981) "Construction and Alignment of a High Performance Multipass Vernier Tandem Fabry-Perot Interferometer," <i>Rev. Sci. Instrum.</i> 52(10):1478-1486.
		Lemieux, J-F. Et al. (May 1999), "Step-tunable (100GHz) Hybrid Laser Based on Vernier Effect Between Fabry-Perot Cavity and Sampled Fibre Bragg Grating," <i>Electron. Lett.</i> 35(11):904-906.
		Lemieux, J-F. et al. (July 1999), "100 Ghz Frequency Step-Tunable Hybrid Laser Based on a Vernier Effect Between Fabry-Perot Cavity and Sampled Fibre Bragg Grating." <i>OSA Trends in Optics and Photonics. Advanced Semiconductor Lasers and Their Applications</i> , Vol. 31, from the Topical Meeting Editor(s): Hollberg, L. and Lang, R.J., Optical Soc. America, Washington, DC, USA, pp. 186-188.
		Liou et al. (Dec 1998), "A 24-Channel Wavelength-Selectable Er-Fiber Ring Laser with Intracavity Waveguide-Grating-Router and Semiconductor Fabry-Perot Filter," <i>IEEE Photon. Technol. Lett.</i> 10(12):1787-1789

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

		Martin, J. et al. (1997), "Use of a sampled Bragg grating as an in-fiber optical resonator for the realization of a referencing optical frequency scale for WDM communications," Optical Fiber Communication Conference OFC-97, Technical Digest, paper ThI5, pp. 284-285
		Miller, C.M. et al. (1992), "Wavelength-Locked, Two-Stage Fibre Fabry-Perot Filter for Dense Wavelength Division Demultiplexing in Erbium-Doped Fibre Amplifier Spectrum," Electron. Lett. 28(3):216-217.
		Nyman, B., (Sept 1998), "Four Measurement Methods Characterize WDM Components," Optoelectronics World, pp. 527-532
		Olsson et al., (Feb 1985), "Chirp-free transmission over 82.5 km of single mode fibers at 2 Gbit/s with injection locked DFB semiconductor lasers," J. Lightwave Technology LT-3(1):63-66
		Oretga, B. et al. (July 1999), "Wavelength Division Multiplexing All-Fiber Hybrid Devices Based on Fabry-Perot's and Gratings," J. Lightwave Technol. 17(7):1242-1247.
		Park et al. (Nov 1991), "All Fiber, low threshold, widely tunable single-frequency, erbium-doped fiber ring laser with a tandem fiber Fabry-Perot filter," Appl. Phys. Lett. 59:2369-2371
		Park et al. (June 1993), "Frequency locking of an erbium-doped fiber ring laser to an external fiber Fabry-Perot resonator," Optics Lett. 18(11):879-881
		Poulsen, C.V. and Sejka, M. (June 1993), "Highly Optimized Tunable Er ³⁺ -Doped Single Longitudinal Mode Fiber Ring Laser, Experiment and Model," IEEE Photonics Technol. Lett. 5:646-648
		Rao, Y-J. and Jackson, D.A. (1996), "Universal Fiber-Optic Point Sensor System for Quasi-Static Absolute Measurements of Multiparameters Exploiting Low Coherence Interrogation," J. Lightwave Technol. 14(4):592-600
		Rao, Y-J. (1996), "Strain sensing of modern composite materials with a spatial-wavelength-division multiplexed fiber grating network," Opt. Lett. 21(9):683-685
		Sakai, T. et al. (1992), "Frequency stabilization of laser diodes using 1.51-1.55 μm absorption lines of ¹² C ₂ H ₂ and ¹³ C ₂ H ₂ ," IEEE J. Quant. Electron. 28:75-81
		Stone, J. and Marcuse, D. (1986), "Ultrahigh finesse fiber Fabry-Perot interferometers," IEEE J. Lightwave Technol. LT-4:382-385
		Stone J. et al. (1987) Elect. Lett. 23(15):781-783.

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

			Wyatt et al., (1982), "Megahertz linewidth from a 1.5 μ m semiconductor laser with HeNe laser injection," Electron. Lett. 18:292-293
			Yamashita et al., (Aug 1997), "Miniature erbium:ytterbium fiber Fabry-Perot multiwavelength lasers," IEEE J. Selected Topics in Quantum Electronics 3(4):1058-1064
			Yamashita, S. and Cowle, G.J., (Sept 1998), "Single-polarization operation of injection locked fiber DFB lasers," CTuF6 European Conference on Lasers and Electro-Optics '98, Glasgow, Scotland, September 13-18, 1998
			Yamashita, S. and Cowle, G.J., (Mar 1999), "Single-polarization operation of fiber distributed feedback (DFB) lasers by injection locking," J. Lightwave Technology 17(3):509-513
			Yoffe, G.W. et al. (1995) "Passive temperature-compensating package for optical fiber gratings" Applied Optics 34(30):6859-6861
			Yoffe, G.W. et al. "Temperature-compensated optical-fiber Bragg gratings" OFC '95 Technical Digest, W14-pp. 134-135
			Yoffe, G.W. et al. (1994), "Temperature-Compensating Mounts for Optical Fibre Biagg Gratings" ACOFT '94, pgs. 262-265
			Yun et al., (June 1998), "Interrogation of Fiber Grating Sensor Arrays with a Wavelength-swept Fiber Laser," Optics Letters 23(11):843-845
			Zervas, M.N. and Giles, I.P., (1989), "Optical-fibre surface-plasmon-wave polarisers with enhanced performance," Electron. Lett. 25:321-323
			Zhang et al. (Jan 1996), "Stable Single-Mode Compound-Ring Erbium-Doped Fiber Laser," IEEE J. Lightwave Technol. 14 (1):104-109
EXAMINER		DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5,007,705	04/16/91	Morey et al.	350	96.29	
	5,042,898	08/27/91	Morey et al.	385	37	
	5,367,589	11/22/94	MacDonald et al.	385	37	
	5,469,520	11/21/95	Morey et al.	385	37	
	5,602,949	02/11/97	Epworth	385	37	
	5,694,503	12/02/97	Fleming et al.	385	37	
	5,841,920	11/24/98	Lemaire et al.	385	37	
	5,892,582	04/06/99	Bao et al.	356	345	
	5,978,539	11/02/99	Davies et al.	385	129	
	5,991,483	11/23/99	Engelberth	385	37	
	5,999,671	12/07/99	Jin et al.	385	37	
	6,044,189	03/28/00	Miller	385	37	
	6,115,122	09/05/00	Bao et al.	356	345	
	6,181,851	01/30/01	Pan et al.	385	37	
	6,229,827	05/08/01	Fernald et al.	372	112	
	6,240,220	05/29/01	Pan et al.	385	13	
	6,327,036	12/04/01	Bao et al.	356	480	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	WO 98/17968	04/30/98				
	WO 98/27446	06/25/98				
	WO 00/07047	02/10/00				
	WO 00/39617	07/06/00				

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

		Ball and Morey (Dec. 1994), "Compression-tuned single-frequency Bragg grating fiber laser," Opt. Lett. 19(23): 1979-1981.
		Hill and Meltz (Aug. 1997), "Fiber Bragg grating technology fundamentals and overview," J. Lightwave Technology 15(8): 1263-1276.
		Iocco et al. (Sept. 1998), "Tension and compression tuned Bragg grating filter," Proc. ECOC '98, vol.1: 229-230.
		Iocco et al. (July 1999), "Bragg grating fast tunable filter for wavelength division multiplexing," J. Lightwave Technology 17(7): 1217-1221.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

U.S. PATENT DOCUMENTS

Exmr. Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
		4,806,012	02/21/89	Meltz et al.	356	32	
		4,848,999	07/18/89	Taylor	65	4.3	
		4,892,388	01/09/90	Taylor	350	320	
		4,923,273	05/08/90	Taylor	350	96.21	
		4,996,419	02/26/91	Morey	250	227.18	
		5,062,684	11/05/91	Clayton et al.	385	27	
		5,073,004	12/17/91	Clayton et al.	385	27	
		5,212,745	05/18/93	Miller	385	25	
		5,212,746	05/18/93	Miller et al.	385	25	
		5,227,857	07/13/93	Kersey	356	345	
		5,289,552	02/22/94	Miller et al.	385	73	
		5,361,130	11/01/94	Kersey et al.	356	345	
		5,375,181	12/20/94	Miller et al.	385	27	
		5,380,995	01/10/95	Udd et al.	250	227.18	
		5,397,891	03/14/95	Udd et al.	250	227.18	
		5,410,404	04/25/95	Kersey et al.	356	345	
		5,401,956	03/28/95	Dunphy et al.	250	227.18	
		5,422,970	06/06/95	Miller et al.	385	72	
		5,426,297	06/20/95	Dunphy et al.	250	227.23	
		5,509,093	04/16/96	Miller et al.	385	27	
		5,513,913	05/07/96	Ball et al.	374	120	
		5,563,973	10/08/96	Miller et al.	385	81	
		5,591,965	01/07/97	Udd	250	227.18	

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

		Boucher, R. et al. (1992), "Calibrated Fabry-Perot Etalon as an Absolute Frequency Reference for OFDM Communications," IEEE Photon. Tech. Lett. 4(7):801-803
		Davis, M.A. and Kersey, A.D. (1995), "Matched-filter interrogation technique for fibre Bragg grating arrays," Electron. Lett. 31(10):822-823
		Davis, M.A. and Kersey, A.D. (1994), "All-fibre Bragg grating strain-sensor demodulation technique using a wavelength division coupler," Electron. Lett. 30(1):75-77
		Dunphy, J. et al. (1993), "Instrumentation development in support of fiber grating sensor arrays," Proc. of the SPIE V. 2071, pp. 2-11
		Foote, P.D. (1994), "Fibre Bragg Grating Strain Sensors for Aerospace Smart Structures," Second European Conf. on Smart Structures and Materials, Glasgow, Session 8, pp. 290-293
		Friebele, E.J. and Kersey, A.D. (1994), "Fiberoptic sensors measure up for smart structures," Laser Focus World, pp. 165-169
		Gamache, C. et al. (1996), "An Optical Frequency Scale in Exact Multiples of 100 GHz for Standardization of Multifrequency Communications," IEEE Photon. Tech. Lett. 8(2):290-292
		Glance, B.S. et al. (1988), "Densely Spaced FDM Coherent Star Network With Optical Signals Confined to Equally Spaced Frequencies," J. Lightwave Technol. 6(11):1770-1781
		Jackson, D.A. et al. (1993), "Simple multiplexing scheme for a fiber-optic grating sensor network" Opt. Lett. 18(14):1192-1194
		Jackson, D.A. et al. (1993), Pseudoheterodyne Detection Scheme for Optical Interferometers" Electron. Lett. 18(25):1081-1083
		Kersey, A.D. et al., "Development of Fiber Sensors for Structural Monitoring," SPIE 2456:262-268
		Kersey, A.D. et al. (1993), "Multiplexed fiber Bragg grating strain-sensor system with a fiber Fabry-Perot wavelength filter," Opt. Lett. 18(16):1370-1372

Form PTO-1449		
ATTY DOCKET NO.: 113-02	SERIAL NO.: 10/686,934	FILING DATE: October 15, 2003
APPLICANT: Bao et al.		GROUP: 2828

		Kersey, A.D. "Interrogation and Multiplexing Techniques for Fiber Bragg Grating Strain-Sensors," Optical Sciences Division Naval Research Laboratory (NRL) code 5674, distributed by NRL at SPIE Meeting Fall 1996, Denver, CO
		Kersey, A.D. et al. (1992), "High-Resolution Fibre-Grating Based Strain Sensor With Interferometric Wavelength-Shift Detection" Electron. Lett. 28(3):236-238
		Kersey, A.D. et al. (1993), "Fiber-optic Bragg grating strain sensor with drift-compensated high-resolution interferometric wavelength-shift detection" Opt. Lett. 18(1):72-74
		Martin, J. et al. (1997), "Use of a sampled Bragg grating as an in-fiber optical resonator for the realization of a referencing optical frequency scale for WDM communications," OFC '97 Technical Digest, pp. 284-285
		Melle, S.M. et al. (1993), "A Bragg Grating-Tuned Fiber Laser Strain Sensor System" IEEE Photon. Technol. Lett. 5(2):263-266
		Miller, C.M., "Characteristics and Applications of High Performance, Tunable, Fiber Fabry-Perot Filters," 41st ECTC Electronics Components & Technology Conf., Atlanta, GA, May 13-15, 1991, 4 pp.
		Rao, Y.-j. and Jackson, D.A. (1996), "Universal Fiber-Optic Point Sensor System for Quasi-Static Absolute Measurements of Multiparameters Exploiting Low Coherence Interrogation," J. Lightwave Technol. 14(4):592-600
		Rao, Y.-j. et al. (1996), "Strain sensing of modern composite materials with a spatial/wavelength-division multiplexed fiber grating network," Opt. Lett. 21(9):683-685
		Rao, Y.-j. et al. (1995), "Spatially-multiplexed fibre-optic Bragg grating strain and temperature sensor system based on interferometric wavelength-shift detection" Electron. Lett. 31(12):1009-1010
		Sakai, Y. et al. (1992), "Frequency Stabilization of Laser Diodes Using 1.51-1.55 μm Absorption Lines of $^{12}\text{C}_2\text{H}_2$ and $^{13}\text{C}_2\text{H}_2$," IEEE J. Quantum Electron. 28(1):75-81
		Weis, R.S. et al. (1994), "A Four-Element Fiber Grating Sensor Array with Phase-Sensitive Detection," IEEE Photon. Technol. Lett. 6(12):1469-1472
		Xu, M.-G. et al. (1993), "Novel frequency-agile interrogating system for fibre Bragg grating sensor," Proc. of the SPIE V. 2071, pp. 59-65

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.